Shirsendu Chakraborty

London, TW3 1QB
Contact: (+44) 7438-968-550 | Email: shirshendu.chakraborty@gmail.com

Data Architect/Data Modeler | DevOps | Systems Engineering | Project Manager | Scrum Master

❖ Team oriented Individual contributor having 11+ years of experience in the field of *Stakeholder Management*, IT *Project Management*, *Leading E2E Delivery*, *ETL & Data Architecture*, OSS BSS Solution Designing, *Big Data Technology*, *Data Modeling*, *IT Manager* and Full Stack IT software development specializing in Data Warehousing & Business Intelligence domains for Telecom, Retail, Healthcare, Travel & Hospitality, BFS & Insurance.

❖ IT Process Lead/ Software Architect involved in various phases of IT projects including *Project & Team Management*, *RFP(Request for Proposal)*, Requirement/GAP Analysis, Solution Designing, *Service Cataloguing, Data Management, Data modeling*, Full stack Development, Report Design, Acceptance Testing and Production Support.

❖ **IT Project Manager** for Australia based international NGO *specialized in setting up processes for the project*, *IT Roadmap design*, Project Management, Requirement Gathering, Source System Analysis, **ETL/ Database Architecture** design, **detailed end to end solution design** and hands on development experience.

❖ *Data vault (2.0) Modeler/ Process Lead* at onsite location for UK based telecom major. Responsible for creation/ validation of enterprise data model for functional correctness along with NFR's.

❖ Data Modeler for corporate BI excellence group and have experience in Industrial Data models like *Oracle Retail logical data model (RLDM)*.

❖ Managed Oracle DBA roles, Data modelling, MSBI based development and support teams for a US based Healthcare major.

❖ Production support lead for a UK based retail major.

Skills Summary

Project Management

❖ *Custom Software Development*
❖ *Database Design (RDBMS)*
❖ *Systems Engineering*
❖ *System Migrations/Integrations*
❖ *Enterprise wide Implementations*

IT Project Lifecycle

❖ *Requirements Analysis*
❖ *ROI Analysis*
❖ *Costing & Budgeting*
❖ *Project Scheduling*
❖ *Testing/QA/Rollout/Support*

Value Added Leadership

❖ *Cross-Functional Supervision*
❖ *Team Building & Mentoring*
❖ *Client Relations & Presentations*
❖ *Business & IT Planning*
❖ *Vendor Management*

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Top Skills	**Stakeholder Management**, Contract Negotiation, **Project & Team Management**, Requirement Analysis, ROI Analysis, Costing & Budgeting, Project scheduling, Testing/ QA/ Rollout/ Support, **ETL & Data Architecture**, OSS BSS Solution Designing, GAP/ requirement Analysis, **Conceptual Data Modeling, Logical Data Modeling, Physical Data Modeling, Canonical Data Modeling, Data Vault 2.0 Modeling**, IT Software Development, LAMP, PHP, ASP.NET, Shell Scripting, Java Script. HTML5, Bootstrap Framework, CSS, JQuery, AGILE, Scrum, TDD (Test Driven Development), Business Case writing, Resource Planning & procurement, IT roadmap design & milestone planning, commercial management & maintaining customer satisfaction
Other Skills	Software Development, Web development, Production support & maintenance
	GIT & GitHub, Jenkins, Docker, Docker Hub.
	HBASE, Impala, Oracle , SQL Server, MySQL, Amazon Redshift, Amazon RDS, Amazon S3
	Erwin, Enterprise Architect, Oracle Data Modeler, Oracle Golden Gate, HP Interwoven, JIRA, Autonomy IDOL, Microsoft Endeca
	WAMP, Live link WCM, PHP, Sawmill log Analyzer, Java script, CSS, Bootstrap Framework, PL SQL, ANSI SQL, Ajax, JIRA.
	Apache, IIS

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Achievement Highlights:

1. Led teams across broad technical, financial and business disciplines. Focused teams on business objectives and tracked progress to ensure project milestones were completed on time, on budget and with the desired results.

2. Mitigated risk factors through careful analysis of financial and statistical data. Anticipated and managed change effectively in rapidly evolving global business environments.

3. Defined processes and tools best suited to each project. Moved between agile and waterfall approaches depending on project specifics and client goals, creating detailed project road maps, plans, schedules and work breakdown structures.

Relevant Project Experience

Company Name: Cognizant Technology Solutions, Kolkata	11/2019- till date
Client: FCA London, UK	**Module:** BANKING & FINANCE

Description:

I joined FCA data modeling team as a senior data modeler cum data designer. My day-to-day job is to gather the requirements from the stakeholders, creating functional specification document and then creation of the conceptual, logical and physical data model. In FCA, I have a chance to work on relational, dimensional as well as data vault (2.0) modelling along with big data stack including Hadoop, Hive, spark and Scala to work on as a Data Engineer. The project is running on AGILE methodology.

Key Responsibilities:

- Stakeholder Management & Requirement elicitation.
- Understanding the AS IS system architecture and performance bottlenecks.
- Source data analysis and fitment of the requirements.
- ETL Architecture & Solution Design.
- Logical & Physical Data Modeling
- Data model whiteboard & stakeholder sign off

Environment:
Software/Framework: Winnows VM, Erwin, Altova XML Spy, Notepad++, MS SQL Server 2K14, Hadoop, Spark, Hive, Scala, Oracle, Redshift

Company Name: Cognizant Technology Solutions, Kolkata	04/2019- 11/2019
Client: Chubb, UK	Module: INSURANCE

Description:

I joined Chubb Data modelling team as a process Lead cum data designer. There is a new modernization project going on to revamp the existing database and related front-end portals. There are identified performance issues, which we are trying to mitigate by implementing the best in class database designs and utilizing the principles of data modelling methodologies w.r.t *AGILE* principles.

Key Responsibilities:

- Stakeholder Management & Requirement elicitation.
- Understanding the AS IS system architecture and performance bottlenecks.
- Source data analysis and fitment of the requirements.
- ETL Architecture & Solution Design.
- Logical & Physical Data Modeling
- Data model whiteboard & stakeholder sign off
- Scrum planning & acting as scrum master
- *Automating the ETL (Extract – Transform - Load) load*
- Owing E2E delivery ownership to deliver the project *Right First Time (RFT)* with accuracy.

Environment:
Software/Framework: Winnows VM, Erwin, Altova XML Spy, Notepad++, MS SQL Server 2K14

Company Name: Cognizant Technology Solutions, Kolkata	01/2019- 4/2019
Client: First Data, US	Module: BANKING & FINANCE

Description:

I joined First Data as project manager cum data designer to migrate the on premise Oracle database to Amazon AWS Oracle RDS and apart from AWS components, Oracle Golden Gate was used for maintaining the CDR's.

Key Responsibilities:

- *Stakeholder Management & Requirement elicitation*.
- *Delivery milestone planning & Agile scrum Master*.
- Source data analysis and fitment of the requirements.
- Golden gate and other software installation
- Logical & Physical Data Modeling for the newly built Oracle RDS environment
- Bi - directional Golden gate Architecture setup & planning
- Backend development using PL SQL code blocks
- Unix Shell script to maintain the existing application level jobs.

Environment:
Software/Framework: Winnows VM, Erwin, Altova XML Spy, Notepad++, Oracle Unix Shell Script.

Company Name: Cognizant Technology Solutions, Kolkata	09/2017- 12/2018
Client: Hotel Groups, US	Module: Travel & Hospitality

Description:

I joined Hotelgroup's as an enterprise data modeller cum process designer to restructure the AS IS data model to its **data vault 2.0** standard. Apart from that, I was also responsible to build and maintain the backend part using PL SQL code and Unix shell script was used to monitor few performance stats.

Key Responsibilities:

- *Stakeholder Management & Delivery Ownership.*
- *Delivery Milestone planning & Agile scrum Master*
- Source data analysis and fitment of the requirements.
- Understanding the data flow of the existing data architecture
- *ETL Architecture Design.*
- Logical & Physical Data Modeling.
- Leveraging the best practices of data vault 2.0 methodologies.

Environment:
Software/Framework: Winnows VM, Enterprise Architect 13, Altova XML Spy, Notepad++, PL SQL, Unix Shell script

Company Name: Cognizant Technology Solutions, Kolkata	03/2017- 09/2017
Client: ASOS, UK	Module: Retail

Description:

I joined ASOS data architect/ modelling team to understand the need of canonical data model, which had been spread across organization and was used as a common data point where all source and downstream systems will interact seamlessly.

ANSI SQL was heavily used to do the initial data analysis for the project.

Key Responsibilities:

- *Enterprise Architecture Design*.
- Source data analysis and fitment of the requirements.
- *Identify GAP's in between the current data architecture/ data model wrt the data available to/from different source/ downstream systems*.
- *Worked as a middle tier in between business & IT to convey and implement the system changes that were identified from the GAP analysis.*
- Conceptual, Logical and Physical data model preparation.

Environment:
Software/Framework: Winnows VM, Enterprise Architect 13, Altova XML Spy, Notepad++, ANSI SQL.

Company Name: Cognizant Technology Solutions, Australia & Kolkata	03/2016- 03/2017
Client: World Vision International	Module: NGO & Charity

Description:
I joined this project as a ***Delivery Manager cum Data Modeler*** with the goal to identify the pain points in terms of data architecture and to implement the best practices on data modeling area. I was also responsible for capturing new requirements, conducting stakeholder review meetings and provided guidance to the WVI modeling team for Conceptual, Logical & Physical data model.

Key Responsibilities:

- ***Stakeholder & Delivery Management***

- Understand the AS IS data model and the current architecture.
- ***Enterprise Data Architecture Design.***

- Requirement gathering meetings with stakeholders.
- Identification of pain points in the existing system.
- CDM, LDM and PDM creation for the new areas.
- Create/ Delete/ Modify the PL SQL codes wherever necessary
- Maintain standards of the Unix Shell scripts.

Environment:
Software/Framework: Windows 10, Erwin 9.6, Sql Server 2012, PL SQL, Shell Script.

Company Name: Cognizant Technology Solutions, Kolkata	02/2015- 03/2016
Client: Philips Netherland	Module: Manufacturing & Logistics

Description:
I was involved with the Philips domain data modeling team to understand and cross verify the requirements from the BA team and was also responsible for creating conceptual, logical and physical data models using Philip's propitiatory data modeling tool, called DOME.

Key Responsibilities:

- Understand the requirement from the BA team and get its feasibility study done.
- ETL Architecture & Solution Design.
- Identify the reusable artifacts and leverage the enterprise data model with the new requirement.
- Maintain the standards of the data model wherever applicable.
- Design and data model walkthrough with the development and testing team.
- Backend development using PL SQL and Unix scripting.

Environment:
Software/Framework**:** Windows 10, Dome, Notepad++.

Company Name: Cognizant Technology Solutions, Kolkata	01/2015 – 02/2015
Client: ISS Norway	Module: Facility Management

Description:

I was involved to identify the ISS Norway data warehousing requirements and country wise segmentation of the EDW feeds for Norway. I was also involved to build a metadata framework which had helped the ETL team to load the data without any failure and was also involved to re-design the data model for the Norway EDW.

Key Responsibilities:

- Understand the user stories and create a metadata model to help the ETL process easier.
- E2E Solution Design.
- Understand the pain point of the existing Denmark data model and overcome those limitations for the Norway EDW.
- Create the data model for the Norway EDW and radiate the outcomes with the stake holders of the system.

Environment:

Software/Framework: Windows 10, Sql Server 2012, Erwin 9.6.

Company Name: Cognizant Technology Solutions, Kolkata	09/2014 – 12/2014
Client: Cognizant Corporate	Module: Corporate

Description:

I was involved in the reverse engineering process of the CRS data model and to streamline and to optimize the data model for different level of consumers associated with the project landscape.

Key Responsibilities:

- Requirement gathering.
- Enterprise Architecture & Data Design.
- Understand the business scenarios and reverse engineer the ASIS data model.
- Understand the pain point of the ASIS model and suggest the performance benefits

Environment:

Software/Framework: Windows 10, Sql Server 2012, Oracle 11g, Erwin 9.6.

Company Name: Cognizant Technology Solutions, Kolkata	06/2014 – 09/2014
Client Name: Cushman & Wakefield	Module: Corporate

Description:

I joined the offshore team as a Data Modeler. Agile scrum methodology was used in delivering value to the business.

Key Responsibilities:

- Based on the business requirements, new data models have been created from the scratch.
- Solution & Data Design.
- Validation of the data model for functional correctness and identified gaps in the model in the early stages and addressed them.
- Performance and scalability review of the existing data models within C&W.

Environment:

Software/Framework: Windows 7, SQL Server 2012, Erwin 9.6.

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Company Name: Cognizant Technology Solutions, Kolkata	15/2013 – 06/2014
Client Name: Corporate BI Excellence Group	**Module:** Corporate

Description:
I managed multiple delivery teams working on projects in healthcare domain. I was involved in the requirement analysis, solution landscape design, data architecture setup, ETL design and related development for the project need.

- **Key Responsibilities:**
- Requirement analysis and feasibility study
- Solution Architecture and data setup
- Managing delivery, risks and other contingencies
- Portfolio & project status reporting to the management
- Coordination with onsite team

Environment:
Software/Framework: Windows 7, MasterCraft, Oracle 11g.

Company Name: Tata Consultancy Services, London	01/2012 – 05/2013
Client Name: Sainsbury's Supermarket	**Module:** Corporate

Description:
I was primarily focusing on the production support & maintenance part of the Sainsbury's online platform. Monitoring the E2E journey from placing an order to delivering it to customers doorstep from IT implementation perspective.

- **Key Responsibilities:**
- Production support & maintenance
- Manage and review phase end deliverables, track milestones, evaluate risks and recommend contingency plans

Environment:
Software/Framework: Oracle, HP Interwoven, Microsoft Fast

Company Name: Tata Consultancy Services, UK & Kolkata	01/2008 – 01/2012
Client Name: British Telecom Plc	**Module:** Corporate

Description:
For more than 6 years, I was working with one of the finest telecom companies in UK to support their Data Warehousing project in the capacity of Data Architect cum OSS/ BSS Solution Designer. My day-to-day work activities were to manage the stakeholders, gather the business form of requirements, translate those into feasible technical deliverables, creating the IT roadmap, Data Architecture planning & setup and the data modeling related to the sprint guidelines.

- **Key Responsibilities:**
- Requirement Analysis & feasibility study
- OSS BSS/ DW – BI related Solution Architecture and data model preparation
- ETL and BI Technical Design

Environment:
Software/Framework: Windows 7, MasterCraft, Oracle 11g, Erwin.

Personal Details

Marital Status:	Married
Date of Birth:	20-02-1985
Nationality:	Indian
Languages Known:	English, Hindi, and Bengali
Gender:	Male

I hereby declare that the information furnished above is true to the best of my knowledge.

Date: 02/02/2020

Place: London, United Kingdom

(Shirsendu Chakraborty)